

Serial Number 09/553,108 Filed April 20, 2000
Amendment dated November 13, 2003
Reply to Office Action dated August 14, 2003
Attorney Docket No. GJH-0017 (P1998J0107C)

LISTING OF THE CLAIMS:

1. (Previously amended) A distillate fuel composition boiling in the range of about 190°C to 400°C with a T10 point greater than 205 °C, and having a sulfur level of less than about 100 wppm, a total aromatics content of about 20 to 35 wt.%, a polynuclear aromatics content of less than about 3 wt.%, and wherein the ratio of total aromatics to polynuclear aromatics is greater than about 11.
2. (Original) The distillate fuel composition of claim 1 wherein the sulfur level is less than about 50 wppm.
3. (Original) The distillate fuel composition of claim 2 wherein the sulfur level is less than about 10 wppm.
4. Previously canceled.
5. (Currently amended) The distillate fuel composition of claim 4 1 wherein the total aromatics content is from about 25 to 35 wt.%.
6. (Original) The distillate fuel composition of claim 1 wherein the polynuclear aromatics content is less than about 2 wt.%.
7. (Original) The distillate fuel composition of claim 6 wherein the polynuclear aromatics content is less than about 1 wt.%.
8. (Original) The distillate fuel composition of claim 1 wherein the ratio of total aromatics to polynuclear aromatics is greater than about 13.
9. (Original) The distillate fuel composition of claim 8 wherein the ratio of total aromatics to polynuclear aromatics is greater than about 15.
10. (Currently amended) The distillate fuel composition of claim 4 5 wherein the sulfur level is less than about 50 wppm.

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11. (Original) The distillate fuel composition of claim 10 wherein the sulfur level is less than about 10 wppm.
12. (Original) The distillate fuel composition of claim 5 wherein the sulfur level is less than about 50 wppm.
13. (Original) The distillate fuel composition of claim 12 wherein the sulfur level is less than about 10 wppm.
14. (Original) The distillate fuel composition of claim 6 wherein the sulfur level is less than about 50 wppm.
15. (Original) The distillate fuel composition of claim 14 wherein the sulfur level is less than about 10 wppm.
16. (Original) The distillate fuel composition of claim 7 wherein the sulfur level is less than about 50 wppm.
17. (Original) The distillate fuel composition of claim 16 wherein the sulfur level is less than about 10 wppm.
18. (Original) The distillate fuel composition of claim 8 wherein the sulfur level is less than about 50 wppm.
19. (Original) The distillate fuel composition of claim 18 wherein the sulfur level is less than about 10 wppm.
20. (Original) The distillate fuel composition of claim 9 wherein the sulfur level is less than about 50 wppm.
21. (Original) The distillate fuel composition of claim 20 wherein the sulfur level is less than about 10 wppm.

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22. (Previously amended) A distillate fuel composition boiling in the range of about 190°C to 400°C with a T10 point greater than 205 °C, and having a sulfur level of less than about 50 wppm, a total aromatics content of about 20 to 35 wt.%, a polynuclear aromatics content of less than about 2 wt.%, wherein the ratio of total aromatics to polynuclear aromatics is greater than about 13.
23. (Previously amended) The distillate fuel composition of claim 22 wherein the sulfur level is less than about 10 wppm.
24. (Previously amended) The distillate fuel composition of claim 22 wherein the total aromatics content is from about 25 to 35 wt.
25. (Previously amended) The distillate fuel composition of claim 22 wherein the polynuclear aromatics content is less than about 1.
26. (Previously amended) The distillate fuel composition of claim 22 wherein the ratio of total aromatics to polynuclear aromatics is greater than about 15.
27. (Previously amended) The distillate fuel composition of claim 24 wherein the sulfur level is less than about 10 wppm.
28. (Previously amended) The distillate fuel composition of claim 25 wherein the sulfur level is less than about 10 wppm.
29. (Previously amended) The distillate fuel composition of claim 26 wherein the sulfur level is less than about 10 wppm.
30. Currently canceled.
31. (Previously amended) A method for abating particulate and NOx emissions in a compression ignition engine comprising providing to the engine a fuel composition boiling in the range of about 190°C to 400°C with a T10 point greater than 205 °C, and having a sulfur level of less than about 100 wppm, a total aromatics content of about 20 to 35 wt.%,

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a polynuclear aromatics content of less than about 3 wt.%, and wherein the ratio of total aromatics to polynuclear aromatics is greater than about 11.

32. (Previously amended) A fuel comprising a distillate boiling in the range of about 190°C to 400°C with a T10 point greater than 205 °C, and having a sulfur level of less than about 100 wppm, a total aromatics content of about 20 to 35 wt.%, a polynuclear aromatics content of less than about 3 wt.%, and wherein the ratio of total aromatics to polynuclear aromatics is greater than about 11, to which is added at least one of (i) one or more lubricity aid, (ii) one or more viscosity modifier, (iii) one or more antioxidant, (iv) one or more cetane improver, (v) one or more dispersant, (vi) one or more cold flow improver, (vii) one or more metals deactivator, (viii) one or more corrosion inhibitor, (ix) one or more detergent, and (x) one or more distillate or upgraded distillate.